

BS Science Teaching, Life Science Emphasis: 66 credits in Major	
Department of Biological Sciences: Phone 320-308-2039 or Biology@stcloudstate.edu	
Life Science Teaching Major Advisors	
Dr. Patricia Simpson 320-308-3012 psimpson@stcloudstate.edu	Dr. Mark Minger 320-308-5507 mminger@stcloudstate.edu
First Semester	Second Semester
¹ BIOL 151 or 152 (4cr) ² CHEM 210 (4cr) ^{2,3} MATH (3-5cr) ENGL 191 (4cr) Total semester credits = 15 to 17	BIOL 151 or 152 (4cr) CHEM 211 (4cr) ASTR 106 (3cr) CMST 192 (3cr) ⁴ RIS GE from Distribution area A or C (3cr) Total semester credits = 17
Third Semester	Fourth Semester
¹⁰ BIOL 202 (4cr) PHYS 231 (4cr) ED 300 (3cr) ⁴ CEEP 262 (3cr) PHIL 194 (3cr) Total semester credits = 17	BIOL 212 or 214 (4cr) PHYS 232 (4cr) EAS 205 (5cr) ⁵ HLTH 301 (2cr) ⁴ GE/Diversity course from Distribution area A (3cr) Total semester credits = 18
Fifth Semester	Sixth Semester
BIOL 206 (4cr) BIOL 312 (4cr) ⁵ CEEP 361 (3cr) Democratic Citizenship 195 (3cr) GE/Diversity course from Distribution area A (3cr) Total semester credits = 17	BIOL 262 (4cr) ⁶ BIOL Elective (3cr) ^{7,8} SCI 420 (4cr) ^{3,5} HURL 497/498 (4cr) PESS 122 (1cr) Total semester credits = 16
Seventh Semester	Eighth Semester
^{7& 9} SCI 430 (4cr) ⁵ ENG/ED 460 (2cr) ⁵ SPED 425 (2cr) ⁵ ED 421/431/441 (6cr) ^{2,5} IM 422 (2cr) Total semester credits = 16	⁷ SCI 440 (3cr) ^{5 & 11} ED 466 (9cr) Total semester credits = 12

Notes:

This program meets Minnesota Board of Teaching licensure requirements for beginning teachers of any science at the 5-8 grade levels and of life science at the 9-12 grade levels. If students in this major intend to graduate in four years they must:

- NOT complete the core or general education in the first two years--they need to take the introductory science classes.
- Take BIOL 202 and EAS 205 as indicated above--BIOL 202 is only offered during Fall semester and EAS 205 only during Spring semester.
- Be admitted to this major before the second semester of their sophomore year.
- Not need remedial work in high school math or chemistry (i.e. need MATH 070, MATH 072 or CHEM 140).

Taking some courses during summer session makes finishing the program in four years easier and may improve a student's GPA.

¹BIOL 151 and 152 may be taken in any order, i.e., 151 is **not** a prerequisite for 152.

²Placement exams are required in order to enroll in any CHEM or MATH course and for IM 422. For information contact the Chemistry Department at 320-308-3031, the Math Department at 320-308-3001, and the Center for Information Media at 320-308-2062.

³Students should not take MATH/STAT 193. The recommended Math courses are MATH 112, 113, 115, or 211.

⁴Taking the required courses CEEP 262 and 361 earn a 3 credit waiver of the General Education Distribution in area C. The required course HURL 497/498 also count in General Education Distribution in area C and as one of the required Diversity (MGM) courses. Students in this major need no additional General Education courses in Area C and should take their other two Diversity courses (including the Racial Issues course) in General Education Distribution area A. Students in this major will earn 9 credits of waiver in Distribution area B and do not need any general education courses in this area.

⁵The PPST and admission to the science teaching major is required before a student can enroll in any of these courses. CPR/first aid certification required prior to ED 421/431/441.

⁶See a Life Science Teaching Advisor for a list of recommended BIOL electives.

⁷SCI 420, 430, and 440 must be taken in order. SCI 440 must be concurrent with ED 466 (student teaching).

⁸Life Science Teaching majors must present the results of research done during SCI 420 during a seminar the following semester.

⁹SCI 430 is only offered in the Fall.

¹⁰Prerequisite: High School Biology and Chemistry. A grade of "C" or better must be received to register for BIOL 204.

¹¹The morning block of ED 466 must be taken.

Revised February 2004